

Converting Colors

CIELCh(16, 77.147, 308.862)

Have a look what the booklet for
CIELCh(16, 77.147, 308.862)
contains.

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Color

CIELCh(16, 77.342, 308.857)

Conversions

Conversions Part 1

Format	Color
Hex	2A0181
RGB	42, 1, 129
RGB Percent	16%, 0%, 51%
CMY	0.8353, 0.9961, 0.4941
CMYK	0.67, 0.99, 0.00, 0.49
HSL	259°, 98%, 25%
HSV	259°, 99%, 51%
XYZ	4.9288, 2.0993, 20.9163
YIQ	27.8510, -16.6520, 48.5000

Conversions

Conversions Part 2

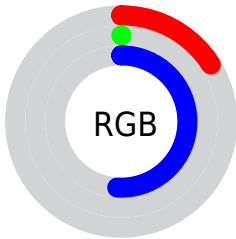
Format	Color
R _Y B	42, 1, 129
Decimal	2752897
CIE Lab	16.00, 48.52, -60.23
CIE LCh	16, 77.342, 308.857
Yxy	2.0993, 0.1764, 0.0751
Android (android.graphics.Color)	4280942977 (0xFF2A0181)
YUV	27.8510, 49.8665, 12.4087
Hunter-Lab	14.4890, 35.3657, -75.4487

Details

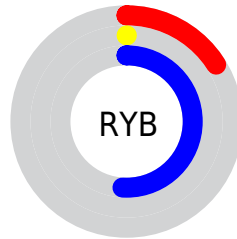
The CIELCh color **16, 77.342, 308.857** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **49, 61.638, 120.357**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 77.427, 308.946**, and **5, 54.803, 305.025** is the 20% darker color. If you saturate the color by 10%, you get **16, 77.775, 308.891**, and if you desaturate by 10%, it is **18, 72.117, 308.660**.

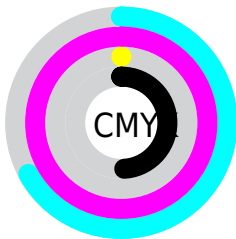
Distribution



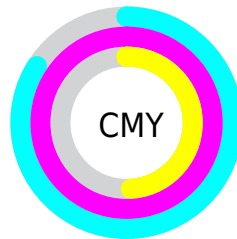
- Red (16%)
- Green (0%)
- Blue (51%)



- Red (16%)
- Yellow (0%)
- Blue (51%)



- Cyan (67%)
- Magenta (99%)
- Yellow (0%)
- Black (49%)





- Cyan (84%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 77.342, 308.857 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 16, 77.342, 308.857 by changing the saturation by 10% instead.

 16, 77.342,
308.857

 16, 77.342,
308.857


 100, 77.342,
308.857


 6, 77.342, 308.857


 36, 77.342,
308.857

 0, 77.342, 308.857

 46, 77.342,
308.857


 56, 77.342,
308.857


 66, 77.342,
308.857


 76, 77.342,
308.857


 86, 77.342,

308.857


 96, 77.342,
308.857

 16, 77.342,
308.857


 16, 77.342,
308.857


 16, 77.775,
308.891

 18, 72.117,
308.660

 21, 65.616,
308.274

 25, 57.790,
307.608

 29, 49.299,
306.805

 33, 40.588,
305.963

■ 37, 31.915,
305.145

■ 41, 23.416,
304.382

■ 46, 15.154,
303.688

■ 50, 7.152, 303.066

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16, 77.342, 308.857



49, 61.638, 120.357

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16, 77.342, 308.857



16, 77.342, 358.857



16, 77.342, 128.857



16, 77.342, 178.857

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16, 77.343, 308.858



53, 29.944, 304.490



35, 29.739, 257.139



25, 20.446, 304.754



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16, 77.343, 308.858



22, 94.711, 308.666



26, 70.594, 321.506



25, 4.327, 303.058



16, 77.108, 308.903



0, 0.000, 0.000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28, 55.200, 345.561



37, 66.861, 346.247



47, 70.617, 134.581



25, 4.074, 335.691



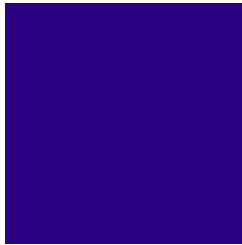
27, 54.853, 345.669



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 16, 77.342, 308.857 looks on a white background.

Color Contrast Check

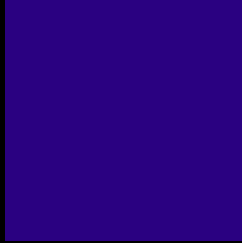
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 16, 77.342, 308.857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

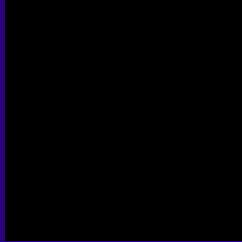
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 77.342, 308.857

Background



This preview shows how black text looks on a background with the CIELCh color 16, 77.342, 308.857.



This preview shows how white text looks on a background with the CIELCh color 16, 77.342, 308.857.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

16, 77.342, 308.857

Protanopia

17, 32.267, 282.566

Deuteranopia

17, 22.589, 266.843



Tritanopia
17, 15.063, 204.619

Trichromacy



Original Color
16, 77.342, 308.857

Protanomaly
15, 52.465, 299.802

Deuteranomaly
14, 46.040, 297.702

Tritanomaly
14, 34.093, 292.550

Monochromacy



Original Color
16, 77.342, 308.857

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 34.248, 307.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 77.342, 308.857 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(42, 1, 129)` looks like.

```
.text, #text, p{  
    color:rgb(42, 1, 129)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(42, 1, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 1, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 77.342, 308.857 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(42, 1, 129) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(42, 1, 129) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(42, 1, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 1, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 1, 129);  
box-shadow:4px 4px 4px 4px rgb(42, 1, 129)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 77.342, 308.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 1, 129) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(42, 1,  
129) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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